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NEWS 1		Web Page for STN Seminar Schedule - N. America
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NEWS 3	MAR 16	CASREACT coverage extended
NEWS 4	MAR 20	MARPAT now updated daily
NEWS 5	MAR 22	LWPI reloaded
NEWS 6	MAR 30	RDISCLOSURE reloaded with enhancements
NEWS 7	APR 02	JICST-EPLUS removed from database clusters and STN
NEWS 8	APR 30	GENBANK reloaded and enhanced with Genome Project ID field
NEWS 9	APR 30	CHEMCATS enhanced with 1.2 million new records
NEWS 10	APR 30	CA/CAplus enhanced with 1870-1889 U.S. patent records
NEWS 11	APR 30	INPADOC replaced by INPADOCDB on STN
NEWS 12	MAY 01	New CAS web site launched
NEWS 13	MAY 08	CA/CAplus Indian patent publication number format defined
NEWS 14	MAY 14	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS 15	MAY 21	BIOSIS reloaded and enhanced with archival data
NEWS 16	MAY 21	TOXCENTER enhanced with BIOSIS reload
NEWS 17	MAY 21	CA/CAplus enhanced with additional kind codes for German patents
NEWS 18	MAY 22	CA/CAplus enhanced with IPC reclassification in Japanese patents
NEWS 19	JUN 27	CA/CAplus enhanced with pre-1967 CAS Registry Numbers

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 13:11:49 ON 27 JUN 2007

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=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.21       0.21

FILE 'REGISTRY' ENTERED AT 13:12:17 ON 27 JUN 2007
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STRUCTURE FILE UPDATES:   26 JUN 2007  HIGHEST RN 939408-72-7
DICTIONARY FILE UPDATES:  26 JUN 2007  HIGHEST RN 939408-72-7

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http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10531361.str
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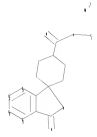

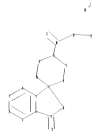

chain nodes :
15 16 17 18 19 23
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14
chain bonds :
9-15 12-16 16-17 16-18 18-23
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 7-10 7-14 8-9 10-11 11-12 12-13
13-14
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 7-10 7-14 8-9 9-15 10-11 11-12
12-13 12-16 13-14 16-17 16-18 18-23
isolated ring systems :
containing 1 :

G1:H,[*1]

G2:C,N

```
Connectivity :
19:1 E exact RC ring/chain
Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  10:Atom
11:Atom  12:Atom  13:Atom  14:Atom  15:CLASS  16:CLASS  17:CLASS  18:CLASS
19:CLASS  23:CLASS



L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l1 sss sam
SAMPLE SEARCH INITIATED 13:12:40 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     2798 TO ITERATE

 71.5% PROCESSED     2000 ITERATIONS                                0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        52788 TO    59132
PROJECTED ANSWERS:               0 TO        0

L2            0 SEA SSS SAM L1

=> s l1 sss ful
FULL SEARCH INITIATED 13:12:49 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    56557 TO ITERATE

100.0% PROCESSED    56557 ITERATIONS                              38 ANSWERS
SEARCH TIME: 00.00.01

L3           38 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                ENTRY    SESSION
FULL ESTIMATED COST                            172.10     172.31

FILE 'CAPLUS' ENTERED AT 13:12:56 ON 27 JUN 2007
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for records published or updated in Chemical Abstracts after December
26, 1996), unless otherwise indicated in the original publications.
```

FILE COVERS 1907 - 27 Jun 2007 VOL 147 ISS 1
FILE LAST UPDATED: 26 Jun 2007 (20070626/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l3
L4 15 L3

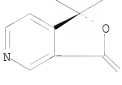
=> d l4 1-15 bib hitstr

L4 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2007:538392 CAPLUS
DN 146:521779
TI Preparation of aza-substituted spiro derivatives as histamine H3 receptor antagonists or reverse agonists
IN Jitsuoka, Makoto; Tsukahara, Daisuke; Sato, Nagaaki
PA Banyu Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 129pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007055418	A1	20070518	WO 2006-JP322911	20061110
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRAI	JP 2005-325808	A	20051110		
	JP 2006-60814	A	20060307		

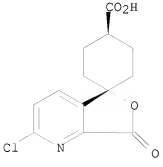
IT 328233-18-7P 936626-55-0P 936626-56-1P
936626-57-2P 936626-62-9P 936626-63-0P
936626-64-1P 936626-66-3P 936626-68-5P
936626-70-9P 936626-76-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of aza-substituted spiro derivs. as histamine H3 receptor antagonists or reverse agonists)
RN 328233-18-7 CAPLUS
CN Spiro[cyclohexane-1,1'(3'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 3'-oxo-, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.



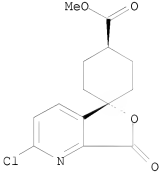
RN 936626-55-0 CAPLUS
CN Spiro[cyclohexane-1,5'(7'H)-furo[3,4-b]pyridine]-4-carboxylic acid, 2'-chloro-7'-oxo-, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.

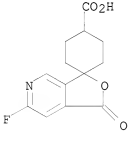


RN 936626-56-1 CAPLUS
CN Spiro[cyclohexane-1,5'(7'H)-furo[3,4-b]pyridine]-4-carboxylic acid, 2'-chloro-7'-oxo-, methyl ester, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.

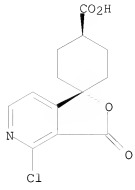


RN 936626-57-2 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 6'-fluoro-1'-oxo- (CA INDEX NAME)



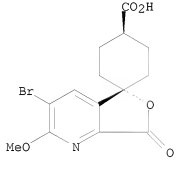
RN 936626-62-9 CAPLUS
CN Spiro[cyclohexane-1,1'(3'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 4'-chloro-3'-oxo-, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.



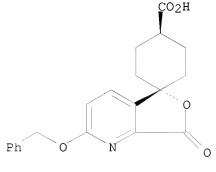
RN 936626-63-0 CAPLUS
CN Spiro[cyclohexane-1,5'(7'H)-furo[3,4-b]pyridine]-4-carboxylic acid, 3'-bromo-2'-methoxy-7'-oxo-, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.



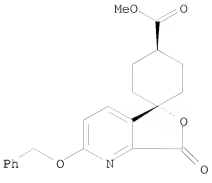
RN 936626-64-1 CAPLUS
CN Spiro[cyclohexane-1,5'(7'H)-furo[3,4-b]pyridine]-4-carboxylic acid, 7'-oxo-2'-(phenylmethoxy)-, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.



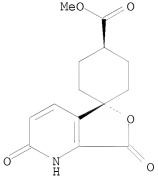
RN 936626-66-3 CAPLUS
CN Spiro[cyclohexane-1,5'(7'H)-furo[3,4-b]pyridine]-4-carboxylic acid, 7'-oxo-2'-(phenylmethoxy)-, methyl ester, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.



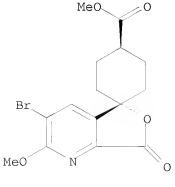
RN 936626-68-5 CAPLUS
CN Spiro[cyclohexane-1,5'(1'H)-furo[3,4-b]pyridine]-4-carboxylic acid, 2',7'-dihydro-2',7'-dioxo-, methyl ester, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.



RN 936626-70-9 CAPLUS
CN Spiro[cyclohexane-1,5'(7'H)-furo[3,4-b]pyridine]-4-carboxylic acid, 3'-bromo-2'-methoxy-7'-oxo-, methyl ester, (1α,4β)- (CA INDEX NAME)

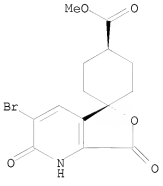
Relative stereochemistry.



RN 936626-76-5 CAPLUS
CN Spiro[cyclohexane-1,5'(1'H)-furo[3,4-b]pyridine]-4-carboxylic acid,

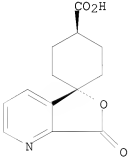
3'-bromo-2',7'-dihydro-2',7'-dioxo-, methyl ester, (1α,4β)-
(CA INDEX NAME)

Relative stereochemistry.



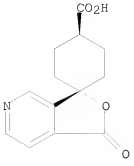
IT 328233-13-2 328233-23-4 328233-37-0
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of aza-substituted spiro derivs. as histamine H3 receptor antagonists or reverse agonists)
RN 328233-13-2 CAPLUS
CN Spiro[cyclohexane-1,5'(7'H)-furo[3,4-b]pyridine]-4-carboxylic acid, 7'-oxo-, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.



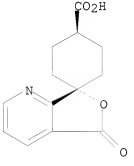
RN 328233-23-4 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo-, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.



RN 328233-37-0 CAPLUS
CN Spiro[cyclohexane-1,7'(5'H)-furo[3,4-b]pyridine]-4-carboxylic acid, 5'-oxo-, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.



RE.CNT 66 THERE ARE 66 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

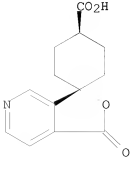
L4 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2007:144107 CAPLUS
DN 146:229335
TI Preparation and crystalline structure study of trans-N-[1-(2-fluorophenyl)-3-pyrazolyl]-3-oxospiro[6-azaisobenzofuran-1(3H),1'-cyclohexane]-4'-carboxamide as NPY5 antagonist
IN Ferlita, Russell R.; Haga, Yuji; Ishikawa, Makoto; Kamei, Keisuke; Kato, Shinji; Kojima, Hisaki; Moment, Aaron; Nonoyama, Nobuaki; Satake, Nobuya; Shigemori, Kazuki; Wada, Toshihiro; Wang, Yaling; Weissman, Steven A.; Wenslow, Robert M.
PA Merck & Co., Inc., USA; Banyu Pharmaceutical Co., Ltd.
SO PCT Int. Appl., 26pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2007016028	A2	20070208	WO 2006-US28650	20060724
WO 2007016028	A3	20070503		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

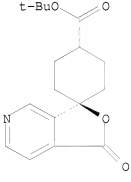
PRAI US 2005-703088P P 20050728
OS CASREACT 146:229335
IT 328233-23-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation and crystalline structure study of trans-N-[1-(2-fluorophenyl)-3-pyrazolyl]-3-oxospiro[6-azaisobenzofuran-1(3H),1'-cyclohexane]-4'-carboxamide as NPY5 antagonist)
RN 328233-23-4 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo-, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.



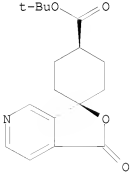
L4 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:875001 CAPLUS
DN 146:461583
TI Product class 14: alkyl- and cycloalkylketenes
AU Tidwell, T. T.
CS Department of Chemistry, University of Toronto, Toronto, ON, M5S 3H6, Can.
SO Science of Synthesis (2006), 23, 569-678
CODEN: SSCYJ9
PB Georg Thieme Verlag
DT Journal; General Review
LA English
IT 870466-68-5P 870466-69-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(review of preparation of alkyl- and cycloalkylketenes with applications to organic synthesis)
RN 870466-68-5 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo-, 1,1-dimethylethyl ester, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.



RN 870466-69-6 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo-, 1,1-dimethylethyl ester, (1α,4α)- (CA INDEX NAME)

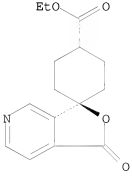
Relative stereochemistry.



RE.CNT 322 THERE ARE 322 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

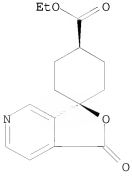
L4 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:843571 CAPLUS
DN 146:404016
TI Pharmaceutical industrial experiments on continuous cryogenic reactions using mini-sized multi-stage reactors
AU Takasuga, Masahiro; Yabuki, Yasuaki; Kato, Yoshiaki
CS Process R&D, Laboratories for Technology Development, Banyu Pharmaceutical Co., Ltd., 3-9-1, Kamimutsuna, Okazaki-shi, Aichi, 444-0858, Japan
SO Journal of Chemical Engineering of Japan (2006), 39(7), 772-776
CODEN: JCEJAQ; ISSN: 0021-9592
PB Society of Chemical Engineers, Japan
DT Journal
LA English
IT 687640-99-9P 870466-64-1P
RL: IMF (Industrial manufacture); PREP (Preparation)
(continuous cryogenic reaction using mini-sized multi-stage reactor for preparation of spirolactone ester intermediate for neuropeptide receptor synthesis)
RN 687640-99-9 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo-, ethyl ester, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.



RN 870466-64-1 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo-, ethyl ester, (1α,4α)- (CA INDEX NAME)

Relative stereochemistry.



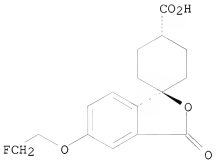
RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:238601 CAPLUS
DN 144:311923
TI Preparation of carbamoyl-substituted spiro compounds as histamine H3 antagonists or inverse agonists
IN Jitsuoka, Makoto; Sato, Nagaaki; Tsukahara, Daisuke; Ohtake, Norikazu; Tokita, Shigeru
PA Banyu Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 230 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2006028239	A1	20060316	WO 2005-JP16692	20050906
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
AU 2005280921	A1	20060316	AU 2005-280921	20050906
CA 2579204	A1	20060316	CA 2005-2579204	20050906
EP 1795527	A1	20070613	EP 2005-778590	20050906
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
PRAI JP 2004-259258	A	20040907		
JP 2004-344270	A	20041129		
WO 2005-JP16692	W	20050906		

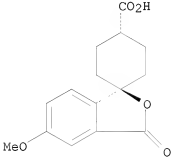
OS MARPAT 144:311923
IT 879369-18-3P 879369-19-4P 879369-20-7P
879369-23-0P 879369-24-1P 879369-25-2P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of carbamoyl-substituted spiro compds. as histamine H3 antagonists or inverse agonists)
RN 879369-18-3 CAPLUS
CN Spiro[cyclohexane-1,1'(3'H)-isobenzofuran]-4-carboxylic acid, 5'-(2-fluoroethoxy)-3'-oxo-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



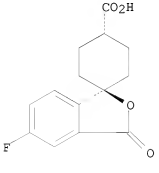
RN 879369-19-4 CAPLUS
CN Spiro[cyclohexane-1,1'(3'H)-isobenzofuran]-4-carboxylic acid, 5'-methoxy-3'-oxo-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



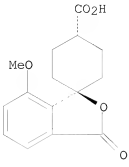
RN 879369-20-7 CAPLUS
CN Spiro[cyclohexane-1,1'(3'H)-isobenzofuran]-4-carboxylic acid, 5'-fluoro-3'-oxo-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



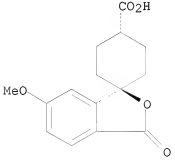
RN 879369-23-0 CAPLUS
CN Spiro[cyclohexane-1,1'(3'H)-isobenzofuran]-4-carboxylic acid, 7'-methoxy-3'-oxo-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



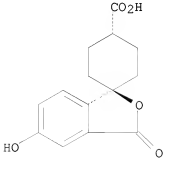
RN 879369-24-1 CAPLUS
CN Spiro[cyclohexane-1,1'(3'H)-isobenzofuran]-4-carboxylic acid, 6'-methoxy-3'-oxo-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 879369-25-2 CAPLUS
CN Spiro[cyclohexane-1,1'(3'H)-isobenzofuran]-4-carboxylic acid, 5'-hydroxy-3'-oxo-, trans- (9CI) (CA INDEX NAME)

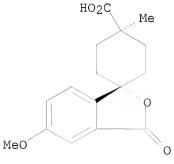
Relative stereochemistry.



IT 879369-33-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of carbamoyl-substituted spiro compds. as histamine H3 antagonists or inverse agonists)
RN 879369-33-2 CAPLUS
CN Spiro[cyclohexane-1,1'(3'H)-isobenzofuran]-4-carboxylic acid,

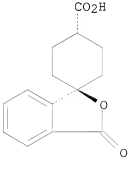
5'-methoxy-4-methyl-3'-oxo-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



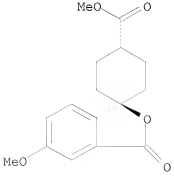
IT 328233-08-5P 879369-31-0P 879369-32-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of carbamoyl-substituted spiro compds. as histamine H3 antagonists or inverse agonists)
RN 328233-08-5 CAPLUS
CN Spiro[cyclohexane-1,1'(3'H)-isobenzofuran]-4-carboxylic acid, 3'-oxo-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



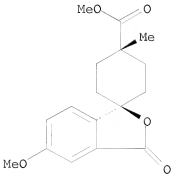
RN 879369-31-0 CAPLUS
CN Spiro[cyclohexane-1,1'(3'H)-isobenzofuran]-4-carboxylic acid, 5'-methoxy-3'-oxo-, methyl ester, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 879369-32-1 CAPLUS
CN Spiro[cyclohexane-1,1'(3'H)-isobenzofuran]-4-carboxylic acid, 5'-methoxy-4-methyl-3'-oxo-, methyl ester, trans- (9CI) (CA INDEX NAME)

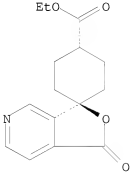
Relative stereochemistry.



RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

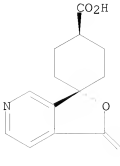
L4 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:1080539 CAPLUS
DN 144:22849
TI Practical Synthesis of a Neuropeptide Y Antagonist via Stereoselective Addition to a Ketene
AU Iida, Takehiko; Satoh, Hiroki; Maeda, Kenji; Yamamoto, Yuhei; Asakawa, Ken-ichi; Sawada, Naotaka; Wada, Toshihiro; Kadowaki, Chie; Itoh, Takahiro; Mase, Toshiaki; Weissman, Steven A.; Tschaen, Dave; Krska, Shane; Volante, R. P.
CS Process Research Process RD Laboratories for Technology Development, Banyu Pharmaceutical Co. Ltd., Aichi, 444-0858, Japan
SO Journal of Organic Chemistry (2005), 70(23), 9222-9229
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal
LA English
OS CASREACT 144:22849
IT 687640-99-9P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(crystal structure; practical synthesis of N-[(fluorophenyl)pyrazolyl] spiro[cyclohexane-furopyridinone]carboxamide via stereoselective addition of alcs. to ketene)
RN 687640-99-9 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo-, ethyl ester, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.



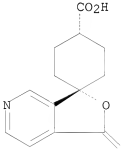
IT 328233-23-4P
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(practical synthesis of N-[(fluorophenyl)pyrazolyl] spiro[cyclohexane-furopyridinone]carboxamide via stereoselective addition of alcs. to ketene)
RN 328233-23-4 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo-, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.



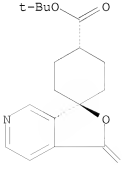
IT 807320-43-0P 870466-68-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(practical synthesis of N-[(fluorophenyl)pyrazolyl] spiro[cyclohexane-furopyridinone]carboxamide via stereoselective addition of alcs. to ketene)
RN 807320-43-0 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 870466-68-5 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo-, 1,1-dimethylethyl ester, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.

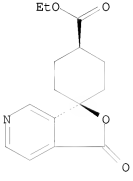


IT 870466-64-1P 870466-69-6P 870466-71-0P

RL: SPN (Synthetic preparation); PREP (Preparation)
(practical synthesis of N-[(fluorophenyl)pyrazolyl]
spiro[cyclohexane-furopyridinone]carboxamide via stereoselective addition
of alcs. to ketene)

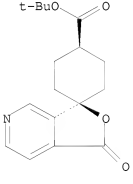
RN 870466-64-1 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid,
1'-oxo-, ethyl ester, (1α,4α)- (CA INDEX NAME)

Relative stereochemistry.



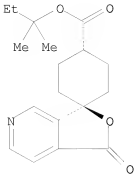
RN 870466-69-6 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid,
1'-oxo-, 1,1-dimethylethyl ester, (1α,4α)- (CA INDEX NAME)

Relative stereochemistry.



RN 870466-71-0 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid,
1'-oxo-, 1,1-dimethylpropyl ester, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



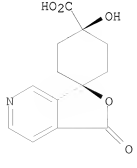
RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:123194 CAPLUS
DN 142:219265
TI Preparation of novel spiro compounds as neuropeptide Y antagonists
IN Fukami, Takehiro; Kanatani, Akio; Ishihara, Akane; Ishii, Yasuyuki; Takahashi, Toshiyuki; Haga, Yuji; Sakamoto, Toshihiro; Itoh, Takahiro; Chiba, Masato
PA Japan
SO U.S. Pat. Appl. Publ., 32 pp., Cont.-in-part of Appl. No. PCT/JP03/02611. CODEN: USXXCO
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005032820	A1	20050210	US 2004-922869	20040823
	US 2002188124	A1	20021212	US 2002-92549	20020308
	US 6803372	B2	20041012		
	WO 2003076443	A1	20030918	WO 2003-JP2611	20030305
	WO 2003076443	A9	20050120		
	W: AE, AG, AL, AM, AU, AZ, BA, BB, BR, BY, BZ, CA, CN, CO, CR, CU, DM, DZ, EC, GD, GH, HR, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, NO, NZ, OM, PH, PL, RO, RU, SC, SG, TJ, TM, TN, TT, UA, US, UZ, VC, VN, YU, ZA				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	US 2002-92549	A2	20020308		
	WO 2003-JP2611	A2	20030305		
	JP 1999-233573	A	19990820		
	JP 2000-137692	A	20000510		
	US 2000-640784	A3	20000818		
	US 2001-983598	A2	20011025		

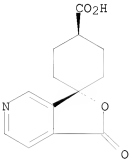
OS CASREACT 142:219265; MARPAT 142:219265
IT 478014-39-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of novel spiro compds. as neuropeptide Y antagonists for treating cardiovascular disorders, central nervous system disorders, and metabolic diseases, etc.)
RN 478014-39-0 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 4-hydroxy-1'-oxo-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 328233-23-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(reactant; preparation of novel spiro compds. as neuropeptide Y antagonists for treating cardiovascular disorders, central nervous system disorders, and metabolic diseases, etc.)
RN 328233-23-4 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo-, (1α,4β)- (CA INDEX NAME)

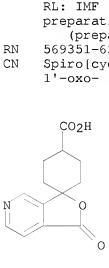
Relative stereochemistry.



L4 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2004:1037108 CAPLUS
DN 142:23196
TI A preparation of spirolactone derivatives, useful as NPY5 antagonists
IN Volante, Ralph P.; Weissman, Steven A.; Iida, Takehiko; Yamamoto, Yuhei; Sato, Hiroki; Maeda, Kenji; Sawada, Naotaka; Mase, Toshiaki
PA Merck & Co., Inc., USA; Banyu Pharmaceutical Co., Ltd.
SO PCT Int. Appl., 47 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

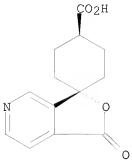
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004104009	A1	20041202	WO 2004-US15051	20040514
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2004240933	A1	20041202	AU 2004-240933	20040514
	CA 2526027	A1	20041202	CA 2004-2526027	20040514
	CN 1894256	A	20070110	CN 2004-80013482	20040514
	US 2006241299	A1	20061026	US 2005-550136	20050921
PRAI	US 2003-471680P	P	20030519		
	WO 2004-US15051	W	20040514		

OS CASREACT 142:23196; MARPAT 142:23196
IT 569351-62-8P
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of spirolactone derivs. useful as NPY5 antagonists)
RN 569351-62-8 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo- (9CI) (CA INDEX NAME)



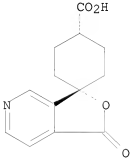
IT 328233-23-4P 799773-96-9P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(preparation of spirolactone derivs. useful as NPY5 antagonists)
RN 328233-23-4 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo-, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.



RN 799773-96-9 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo-, hydrochloride, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



● HCl

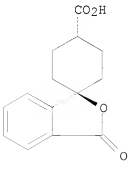
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2004:493699 CAPLUS
DN 141:38615
TI Preparation of isobenzofuran moiety-containing azoles and related compounds as NPY receptor antagonists for the treatment of hyperphagia, obesity and diabetes
IN Otake, Norikazu; Haga, Yuji; Jitsuoka, Makoto; Kanatani, Akio
PA Banyu Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 157 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004050652	A1	20040617	WO 2003-JP15018	20031125
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2507742	A1	20040617	CA 2003-2507742	20031125
	AU 2003302640	A1	20040623	AU 2003-302640	20031125
	EP 1566384	A1	20050824	EP 2003-812297	20031125
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	US 2006111380	A1	20060525	US 2005-536360	20050909
PRAI	JP 2002-346997	A	20021129		
	WO 2003-JP15018	W	20031125		

OS MARPAT 141:38615
IT 328233-08-5 328233-23-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of isobenzofurans and related compds. as NPY receptor antagonists)
RN 328233-08-5 CAPLUS
CN Spiro[cyclohexane-1,1'(3'H)-isobenzofuran]-4-carboxylic acid, 3'-oxo-, trans- (9CI) (CA INDEX NAME)

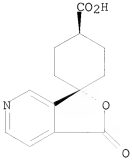
Relative stereochemistry.



RN 328233-23-4 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid,

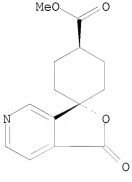
1'-oxo-, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.



IT 701917-07-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of isobenzofurans and related compds. as NPY receptor antagonists)
RN 701917-07-9 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo-, methyl ester, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.

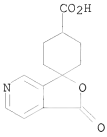


RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2004:368865 CAPLUS
DN 140:391268
TI Preparation of (hetero)aryl-fused spirolactones from (hetero)arylcarboxamides and cyclohexanones.
IN Volante, Ralph P.; Tschaen, David M.; Weissman, Steven A.; Heileman, Matthew; Mase, Toshiaki; Iida, Takehiko; Maeda, Kenji; Wada, Toshihiro; Sato, Hiroki; Asakawa, Kenichi
PA Merck & Co., Inc., USA; Banyu Pharmaceutical Co., Ltd.
SO PCT Int. Appl., 64 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004037170	A2	20040506	WO 2003-US32393	20031014
	WO 2004037170	A3	20040701		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2502282	A1	20040506	CA 2003-2502282	20031014
	AU 2003284116	A1	20040513	AU 2003-284116	20031014
	EP 1558605	A2	20050803	EP 2003-776347	20031014
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	BR 2003015348	A	20050823	BR 2003-15348	20031014
	CN 1705658	A	20051207	CN 2003-80101547	20031014
	JP 2006503101	T	20060126	JP 2004-546843	20031014
	NZ 539001	A	20061027	NZ 2003-539001	20031014
	US 2006014950	A1	20060119	US 2005-531361	20050414
PRAI	US 2002-419464P	P	20021018		
	WO 2003-US32393	W	20031014		

OS CASREACT 140:391268; MARPAT 140:391268
IT 569351-62-8P
RL: IMF (Industrial manufacture); PUR (Purification or recovery); SPN (Synthetic preparation); PREP (Preparation)
(preparation of (hetero)aryl-fused spirolactones from arylcarboxamides and cyclohexanones)
RN 569351-62-8 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo- (9CI) (CA INDEX NAME)

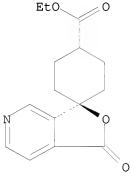


IT 687641-00-5P
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of (hetero)aryl-fused spirolactones from arylcarboxamides and cyclohexanones)
RN 687641-00-5 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo-, ethyl ester, trans-, (1S,4R)-7,7-dimethyl-2-oxobicyclo[2.2.1]heptane-1-methanesulfonate (9CI) (CA INDEX NAME)

CM 1

CRN 687640-99-9
CMF C15 H17 N O4

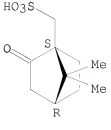
Relative stereochemistry.



CM 2

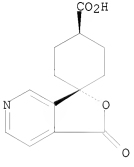
CRN 3144-16-9
CMF C10 H16 O4 S

Absolute stereochemistry. Rotation (+).



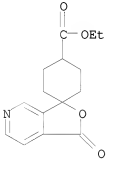
IT 687640-97-7P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(preparation of (hetero)aryl-fused spirolactones from arylcarboxamides and cyclohexanones)
RN 687640-97-7 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo-, hydrochloride, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



● HCl

IT 687640-98-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of (hetero)aryl-fused spirolactones from arylcarboxamides and cyclohexanones)
RN 687640-98-8 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo-, ethyl ester (9CI) (CA INDEX NAME)

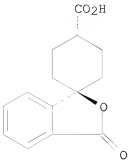


L4 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2004:20686 CAPLUS
DN 140:77152
TI Preparation of novel benzimidazole derivatives as neuropeptide Y receptor antagonists
IN Otake, Norikazu; Moriya, Minoru; Ogino, Yoshio; Matsuda, Kenji; Nagae, Yoshikazu; Kanatani, Akio; Fukami, Takehiro
PA Banyu Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 171 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004002986	A2	20040108	WO 2003-JP8161	20030626
	WO 2004002986	A3	20040422		
	W: AE, AG, AL, AM, AU, AZ, BA, BB, BR, BY, BZ, CA, CN, CO, CR, CU, DM, DZ, EC, GD, GH, HR, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, NI, NO, NZ, OM, PG, PH, PL, RU, SC, SG, SY, TJ, TM, TN, TT, UA, US, UZ, VC, VN, YU, ZA				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 20040054177	A1	20040318	US 2003-463390	20030618
	US 7105526	B2	20060912		
	CA 2490722	A1	20040108	CA 2003-2490722	20030626
	AU 2003248248	A1	20040119	AU 2003-248248	20030626
	JP 2004123706	A	20040422	JP 2003-182241	20030626
	BR 2003012066	A	20050329	BR 2003-12066	20030626
	EP 1517908	A2	20050330	EP 2003-761822	20030626
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	CN 1668615	A	20050914	CN 2003-815343	20030626
	CN 1955178	A	20070502	CN 2006-10095672	20030626
	ZA 2004009339	A	20060222	ZA 2004-9339	20041119
	IN 2004KN01893	A	20061103	IN 2004-KN1893	20041209
	NO 2005000184	A	20050112	NO 2005-184	20050112
	US 2006205750	A1	20060914	US 2006-431274	20060510
PRAI	JP 2002-190978	A	20020628		
	US 2003-463390	A3	20030618		
	CN 2003-815343	A3	20030626		
	WO 2003-JP8161	W	20030626		

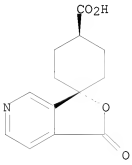
OS MARPAT 140:77152
IT 328233-08-5 328233-23-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of benzimidazole derivs. as neuropeptide Y receptor antagonists)
RN 328233-08-5 CAPLUS
CN Spiro[cyclohexane-1,1'(3'H)-isobenzofuran]-4-carboxylic acid, 3'-oxo-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 328233-23-4 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo-, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.

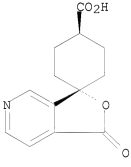


L4 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:590876 CAPLUS
DN 139:133553
TI Stereoselective process for making spirolactone compounds
IN Maeda, Kenji; Kato, Shinji; Iida, Takehiko; Tschaen, David M.
PA Banyu Pharmaceutical Co., Ltd., Japan
SO U.S. Pat. Appl. Publ., 5 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

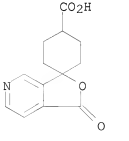
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003144515	A1	20030731	US 2003-349835	20030123
	US 6605720	B2	20030812		
PRAI	US 2002-352451P	P	20020128		

OS CASREACT 139:133553
IT 328233-23-4P 569351-62-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(stereoselective process for making spirolactone compds.)
RN 328233-23-4 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo-, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.



RN 569351-62-8 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo- (9CI) (CA INDEX NAME)

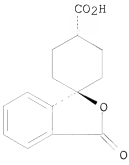


L4 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:133239 CAPLUS
DN 138:170086
TI Preparation of spiro[isoquinoline-piperidine], spiro[indoline-piperidine], and spirocyclohexane compounds as antagonists of neuropeptide Y receptor
IN Fukami, Takehiro; Nonoshita, Katsumasa; Sagara, Takeshi; Kishino, Hiroyuki
PA Banyu Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 220 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003014083	A1	20030220	WO 2002-JP7922	20020802
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2456599	A1	20030220	CA 2002-2456599	20020802
	AU 2002323787	A1	20030224	AU 2002-323787	20020802
	EP 1415986	A1	20040506	EP 2002-755790	20020802
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
	BR 2002011740	A	20040928	BR 2002-11740	20020802
	HU 2004001108	A2	20040928	HU 2004-1108	20020802
	CN 1538956	A	20041020	CN 2002-815307	20020802
	ZA 2004000091	A	20050607	ZA 2004-91	20040107
	IN 2004KN00145	A	20060331	IN 2004-KN145	20040204
	NO 2004000534	A	20040323	NO 2004-534	20040205
	US 2004259890	A1	20041223	US 2004-485955	20040412
	US 7205417	B2	20070417		
PRAI	JP 2001-239567	A	20010807		
	WO 2002-JP7922	W	20020802		

OS MARPAT 138:170086
IT 328233-08-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of spiro[isoquinoline-piperidine], spiro[indoline-piperidine], and spiro[azaisobenzofuran-cyclohexane], and spirocyclohexane compds. as antagonists of neuropeptide Y receptor for treating overeating, obesity, and diabetes)
RN 328233-08-5 CAPLUS
CN Spiro[cyclohexane-1,1'(3'H)-isobenzofuran]-4-carboxylic acid, 3'-oxo-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2002:947029 CAPLUS
DN 138:24705
TI Preparation of spiroisoindolinepiperidinecarboxamides, spirocyclohexaneisobenzofurancarboxamides, spiroazaisobenzofurancyclohexanecarboxamides, and related compounds as neuropeptide Y antagonists.
IN Fukami, Takehiro; Kanatani, Akio; Ishihara, Akane; Ishii, Yasuyuki; Takahashi, Toshiyuki; Haga, Yuji; Sakamoto, Toshihiro; Itoh, Takahiro
PA Banyu Pharmaceutical Co., Ltd., Japan
SO U.S. Pat. Appl. Publ., 53 pp., Cont.-in-part of U.S. Pat. Appl. 2002 52,371.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002188124	A1	20021212	US 2002-92549	20020308
	US 6803372	B2	20041012		
	US 6326375	B1	20011204	US 2000-640784	20000818
	US 6335345	B1	20020101	US 2001-928431	20010814
	US 2002052371	A1	20020502	US 2001-983598	20011025
	US 6388077	B2	20020514		
	ZA 2002000734	A	20030128	ZA 2002-734	20020128
	US 6462053	B2	20021008	US 2002-101221	20020320
	US 2002165391	A1	20021107		
	US 2003055251	A1	20030320	US 2002-226225	20020823
	US 6649624	B2	20031118		
	JP 2003104884	A	20030409	JP 2002-271261	20020918
	JP 3553560	B2	20040811		
	CA 2482191	A1	20030918	CA 2003-2482191	20030305
	WO 2003076443	A1	20030918	WO 2003-JP2611	20030305
	WO 2003076443	A9	20050120		
	W: AE, AG, AL, AM, AU, AZ, BA, BB, BR, BY, BZ, CA, CN, CO, CR, CU, DM, DZ, EC, GD, GH, HR, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, NO, NZ, OM, PH, PL, RO, RU, SC, SG, TJ, TM, TN, TT, UA, US, UZ, VC, VN, YU, ZA				
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	AU 2003221319	A1	20030922	AU 2003-221319	20030305
	EP 1483266	A1	20041208	EP 2003-710252	20030305
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	JP 2005519955	T	20050707	JP 2003-574660	20030305
	US 2003220499	A1	20031127	US 2003-453737	20030604
	US 6723847	B2	20040420		
	US 2005032820	A1	20050210	US 2004-922869	20040823
PRAI	JP 1999-233573	A	19990820		
	JP 2000-137692	A	20000510		
	US 2000-640784	A3	20000818		
	US 2001-983598	A2	20011025		
	JP 2000-247145	A3	20000817		
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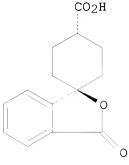
	US 2002-101221	A3	20020320		
	US 2002-226225	A3	20020823		
	WO 2003-JP2611	W	20030305		

OS MARPAT 138:24705
IT 328233-08-5P 328233-13-2P 328233-18-7P

328233-23-4P 328233-37-0P 478014-39-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of spiroisoindolinepiperidinecarboxamides, spirocyclohexaneisobenzofurancarboxamides, spiroazaisobenzofurancyclohexanecarboxamides, and related compds. as neuropeptide Y antagonists)

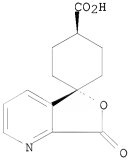
RN 328233-08-5 CAPLUS
CN Spiro[cyclohexane-1,1'(3'H)-isobenzofuran]-4-carboxylic acid, 3'-oxo-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



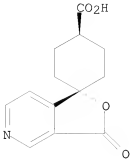
RN 328233-13-2 CAPLUS
CN Spiro[cyclohexane-1,5'(7'H)-furo[3,4-b]pyridine]-4-carboxylic acid, 7'-oxo-, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.



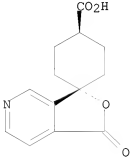
RN 328233-18-7 CAPLUS
CN Spiro[cyclohexane-1,1'(3'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 3'-oxo-, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.



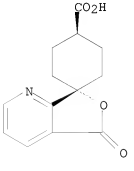
RN 328233-23-4 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 1'-oxo-, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.



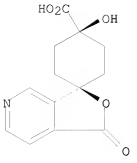
RN 328233-37-0 CAPLUS
CN Spiro[cyclohexane-1,7'(5'H)-furo[3,4-b]pyridine]-4-carboxylic acid, 5'-oxo-, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.



RN 478014-39-0 CAPLUS
CN Spiro[cyclohexane-1,3'(1'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 4-hydroxy-1'-oxo-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2001:152682 CAPLUS
DN 134:207809
TI Preparation of spiroisoindolinepiperidines, spiroisoquinolinepiperidines, spiroisobenzofuranpiperidines, and related compounds as neuropeptide Y antagonists.
IN Fukami, Takehiro; Kanatani, Akio; Ishihara, Akane; Ishii, Yasuyuki; Takahashi, Toshiyuki; Haga, Yuji; Sakamoto, Toshihiro; Itoh, Takahiro
PA Banyu Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 164 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001014376	A1	20010301	WO 2000-JP5427	20000811
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	CA 2379103	A1	20010301	CA 2000-2379103	20000811
	BR 2000013423	A	20020507	BR 2000-13423	20000811
	EP 1204663	A1	20020515	EP 2000-951971	20000811
	EP 1204663	B1	20031029		
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	TR 200200408	T2	20020621	TR 2002-408	20000811
	HU 200203107	A2	20021228	HU 2002-3107	20000811
	EE 200200082	A	20030616	EE 2002-82	20000811
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	AT 253064	T	20031115	AT 2000-951971	20000811
	PT 1204663	T	20040227	PT 2000-951971	20000811
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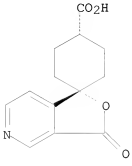
	JP 2002030086	A	20020129	JP 2000-247145	20000817
	JP 3411262	B2	20030526		
	IN 2002KN00125	A	20050311	IN 2002-KN125	20020125
	ZA 2002000734	A	20030128	ZA 2002-734	20020128
	HR 2002000102	B1	20050430	HR 2002-102	20020201
	BG 106390	A	20021229	BG 2002-106390	20020206
	NO 2002000814	A	20020415	NO 2002-814	20020219
	HK 1043123	A1	20040130	HK 2002-104686	20020624
	US 2003055251	A1	20030320	US 2002-226225	20020823
	US 6649624	B2	20031118		
	JP 2003104884	A	20030409	JP 2002-271261	20020918
	JP 3553560	B2	20040811		
	US 2003220499	A1	20031127	US 2003-453737	20030604
	US 6723847	B2	20040420		
PRAI	JP 1999-233573	A	19990820		
	JP 2000-137692	A	20000510		
	WO 2000-JP5427	W	20000811		
	JP 2000-247145	A3	20000817		
	US 2000-640784	A3	20000818		
	US 2001-983598	A3	20011025		
	US 2002-101221	A3	20020320		

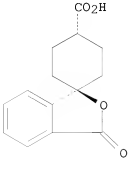
US 2002-226225 A3 20020823
OS MARPAT 134:207809
IT 328233-46-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of spiroisoindolinepiperidines, spiroisoquinolinepiperidines, spiroisobenzofuranpiperidines, and related compds. as neuropeptide Y antagonists)
RN 328233-46-1 CAPLUS
CN Spiro[cyclohexane-1,1'(3'H)-furo[3,4-c]pyridine]-4-carboxylic acid, 3'-oxo-, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



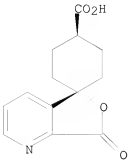
IT 328233-08-5P 328233-13-2P 328233-18-7P
328233-23-4P 328233-37-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of spiroisoindolinepiperidines, spiroisoquinolinepiperidines, spiroisobenzofuranpiperidines, and related compds. as neuropeptide Y antagonists)
RN 328233-08-5 CAPLUS
CN Spiro[cyclohexane-1,1'(3'H)-isobenzofuran]-4-carboxylic acid, 3'-oxo-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 328233-13-2 CAPLUS
CN Spiro[cyclohexane-1,5'(7'H)-furo[3,4-b]pyridine]-4-carboxylic acid, 7'-oxo-, (1α,4β)- (CA INDEX NAME)

Relative stereochemistry.



RN 328233-18-7 CAPLUS
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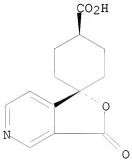
Relative stereochemistry.



RN 328233-23-4 CAPLUS
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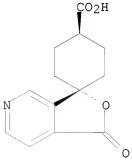
Relative stereochemistry.



RN 328233-37-0 CAPLUS
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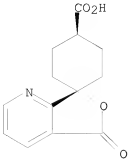
Relative stereochemistry.



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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